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Books Conferences News About Us Home Journals Job: Home > Journal > Earth & Environmental Sciences > JWARP Open Special Issues Indexing View Papers Aims & Scope Editorial Board Guideline Article Processing Charges Published Special Issues JWARP> Vol.4 No.7, July 2012 • Special Issues Guideline OPEN ACCESS JWARP Subscription Simulation and Prediction for Groundwater Dynamics Based on **RBF Neural Network** Most popular papers in JWARP PDF (Size: 115KB) PP. 540-544 DOI: 10.4236/jwarp.2012.47063 **About JWARP News** Author(s) Zhonghua Fei, Dinggui Luo, Bo Li Frequently Asked Questions **ABSTRACT** Based on MATLAB, a new model-BRF network model is founded to be used in groundwater dynamic Recommend to Peers simulation and prediction. It is systematically studied about the training sample set, testing sample set, the pretreatment of the original data, neural network construction, training, testing and evaluating the entire Recommend to Library process. A favorable result is achieved by applying the model to simulate and predict groundwater dynamics, which shows this new method is precise and scientific. Contact Us **KFYWORDS** Dynamic Simulation and Forecast; Groundwater; BP Network; RBF Networks Downloads: 402,262 Cite this paper Visits: 1,010,838 Z. Fei, D. Luo and B. Li, "Simulation and Prediction for Groundwater Dynamics Based on RBF Neural Network," Journal of Water Resource and Protection, Vol. 4 No. 7, 2012, pp. 540-544. doi: 10.4236/jwarp.2012.47063. Sponsors, Associates, ai References Links >> [1] S. Cong, "The Function Analysis and Application Study of Radial Basics Function Network," Computer Engineering and Applications, Vol. 38, No. 3, 2002, pp. 85-87. H. Demuth and M. Beale, "Neural Network Toolbox User's Guide," The MathWorks Inc., Natick, [2] 1997, pp. 420-467. P. D. Wasserman, "Advanced Methods in Neural Computing," Van Norstrand Reinhold, New York, [3] 1993, pp. 334-366.

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